

In the Specification

Page 9, line 5, replace paragraph [00042] with the following paragraph [00042].

[00042] Referring to FIG. 2, a hand-held assay device 10 includes a consumable 12 removably inserted in a sample compartment 13 and containing a sample which as a result of ATP-luciferase reaction can generate a low level chemiluminescence, as explained in a co-pending patent application Serial No. 09/821,148, now U.S. Patent No. 6,548,018 B2 granted April 15, 2003, which is owned by the same assignee and fully incorporated herein by reference.

Page 10, replace paragraph [00047] with the following paragraph.

[00047] With the single switched integrator 18, analog/digital converter 30 and the single photodiode, adequate detection requires that each measurement be integrated for up to 30 seconds. An extended measurement period renders a device equipped with the photodiode difficult to use, because the user is typically required to provide frequent tests in a short period of time. In addition, since the baseline is changing during the measurement period, the long measurement period makes it more difficult to ensure that the baseline measurement will correctly estimate the baseline level during the

Appl. No. 09/821,571
Amdt. Dated: October 23, 2003
Reply to Office Action of 09/16/2003
Attorney Docket No. Neogen 4.1-34

signal measurement, particularly since the observed
change is not unidirectional.